

# HV JUICE

TE PORCELAIN INSULATORS

## DON'T WAIT FOR STOCK WE CAN SHIP TODAY



**EXTENSIVE  
STOCK HOLDINGS**

**GUARANTEED  
AVAILABILITY\***

**EXTENSIVE  
RANGE**

\*Based on forecast usage and commitment to agreed stock levels associated with those forecasts.



**20+ YEARS &  
100,000+ IN  
SERVICE  
GREAT PRICE**

Terms and conditions apply. To learn more about this offer contact us.





## hauff-technik

### WALL PENETRATION SEALING SYSTEMS

WITHOUT HAUFF TECHNIK

WITH HAUFF TECHNIK



BEFORE



AFTER

Electricity, telecommunication, water, waste water, gas – whenever a perfectly safe sealing of building entries is required, Hauff-Technik offers the best possible solution.



**SUPER  
SEGMENTED RING  
TECHNOLOGY -  
SIMPLE ONSITE  
ADJUSTMENT**

## HSI-150-DFK

### PLASTIC FLANGE FOR RETROFIT INSTALLATIONS

Used when there is water coming in between the conduit and the concrete wall that it's installed in, the flange seals onto the wall outside of the conduit so any water tracking between the wall and conduit is caught in the flange.

#### FEATURES

- Accepts HRD and HRK seals
- Integrated spirit level
- System seal can be connected (e.g. cable duct connection or cable seal)
- Can be installed on container walls
- Form-fitting surface seal
- Glass fibre reinforced polyamide flange
- EPDM surface seal (6mm)
- Gastight and watertight to 2.5 bar
- Dimensions: 235mm x 235mm x 63mm out from wall



## HRD & HRK

### INDIVIDUAL WALL SEAL WITH SEGMENTED RING TECHNOLOGY

These innovative press seals from Hauff-Technik are quick and cost-effective, giving you reliable sealing of core drills or wall sleeves for one or multiple cables. Ranging from closed seal inserts for first-time installation to split seal inserts for retrofit sealing of cables that have already been laid, we can provide the ideal press seal for every requirement and task, be it tailor-made to the millimetre or suitable for universal use on site, round, oval or even square.

#### FEATURES

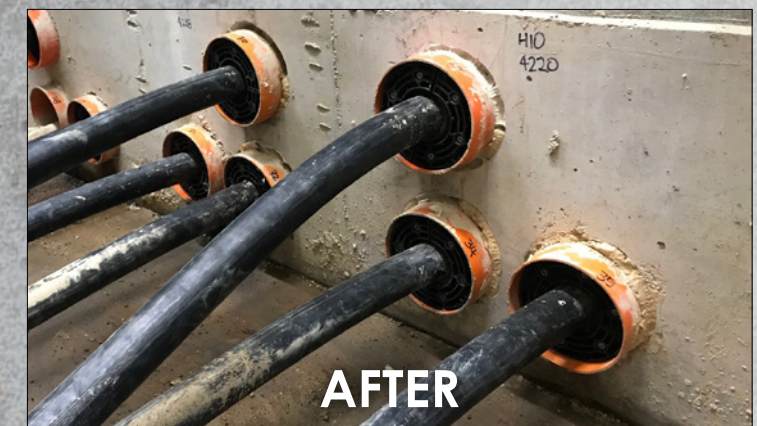
- Fits standard Duct sizes
- Made for new installations and Retrofit installations
- Split seal for retrofit installation without removing cables
- Standard seal range and custom seals available to cater for each individual installation requirement
- Gastight and watertight options
- Segments with exact diameter marking
- Form-fitting connections of the press plates
- EPDM rubber
- Screws and nuts made of stainless steel V4A (AISI 316L)
- Plastic pressure plates made of glass fibre reinforced polyamide



**FULLY CUSTOMISED  
OPTIONS AVAILABLE FOR  
PERFECT ALIGNMENT OF  
RETROFIT INSTALL**



BEFORE



AFTER

# Always. Reliable. Tight.





## WHAT CAN GO INSIDE OUR WATERPROOF ECOPILLARS?



### K221 FUSE CARRIER

Designed to accommodate 22x58mm barrel fuse cartridges, neutral tube or mini-switch, for use without mechanical load. IPC technology creates a precise connection every time using a simple spanner. IP65 rated.

- Torque rated shear head technology for perfect connection every time
- No chance of over or under tightening
- Cable size 6-50mm<sup>2</sup>



### GELPORT

- Qualified to ANSI C119.1
- Hydrophobic PowerGel-filled cable entry ports provide a reliable cable seal in harsh environments
- Provides an excellent moisture seal over a wide range of operating temperatures (-40°C to 95°C)



### GELCAP

The Gelcap SL Splice Kit provides quick installation, dependable performance and easy re-entry for street lighting connections, among others. Packed with revolutionary PowerGel sealing gel, they offer a superior moisture seal over a wide conductor range.



### K199 FUSE CARRIER

Designed to accommodate a 22x58mm fuse cartridge, neutral tube or mini-switch. It is used to connect the customer to the underground supply cable. It is designed to operate fully submersed in water. Mechanical tightening terminals allow installation on a conductor using a simple hexagon wrench. IP68 rated.

- Torque rated shear head technology for perfect connection every time
- No chance of over or under tightening
- Cable size 6-50mm<sup>2</sup>

### MINI WEDGE GEL ENCLOSURE

Designed to quickly and conveniently insulate, seal and protect Mini Wedge connections up to 600V. Can be used for direct bury applications underground. Simply snap the enclosure closed over the connection. The locating tabs ensure the connection remains in the right location if the enclosure is snagged.



### 65U FUSE CARRIER

Fully submersible and perfect for lighting installations. The rubber housing is easily adjusted to fit a range of conductor sizes. This fuse carrier is simple to use, just push the two halves together to create a friction seal.



## UNIQUE ECOPILLARS FOR UNIQUE SITUATIONS

Need something a little bit different? Talk to us. The ECO Pillar range is an integrated system, designed right here in New Zealand by people in the industry, and flexible enough to handle customised hardware configurations. Whatever your job requires we'll make a solution that fits.

From slim and unobtrusive to robust and powerful, the ECO Pillar range is broad enough to accommodate residential, commercial & control applications.

Built from fully recyclable UV stable polyethylene, the ECO Pillar will take the knocks and come back for more. It's designed specifically for customers who demand safety, performance and unobtrusive good looks from their electrical reticulation systems.

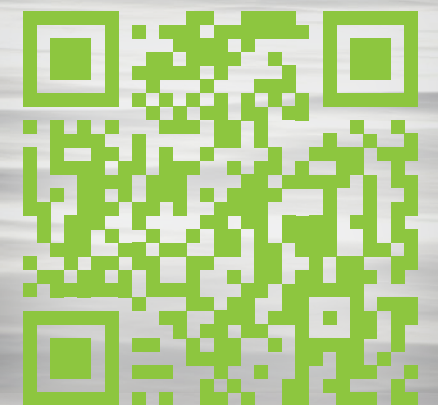
A unique range of fastening systems is available. Internally, all components are specifically designed for the ECO Pillar. Externally it has a compact installation footprint with a contoured design and no sharp edges. The modular design makes it



## FEATURES

- A **fully modular system** to meet all network requirements
- Accommodates **multiple** hardware combinations
- **Recyclable**
- Mechanically **robust**
- **Unique** serial number
- Made of **excellent UV stable** polyethylene
- Domestic, commercial & control applications

## VIEW THE RANGE



## TAILOR YOUR PILLARS FOR YOUR CONDITIONS







**HAVE YOU GOT THE  
RIGHT  
TOOL  
FOR THE  
RIGHT  
JOB?**



**SACSTOOL  
SWA STEEL ARMoured  
CABLE STRIPPER**

**FEATURES**

- FAST - 50% quicker than traditional methods
- EASY - No hacksaw! - No knife! Perfect finish every time
- SAFE - NO blades - Complies with on-site H&S regulations
- HIGH QUALITY - 3 year guarantee (excludes cutting wheel)
- STRONG - Metal alloy body
- Long lasting hardened steel alloy cutting wheel
- Wide stripping capacity (12-36 mm diameter)
- Use at heights - Tethering hole for lanyard



STRIP SWA  
CABLE SAFELY  
WITHOUT A KNIFE  
OR HACKSAW

**RC9009  
ACSR RATCHET CUTTER**

**FEATURES**

- Single Hand Operation
- Full ratcheting cycle
- Release feature in all cutting positions
- Handle lock in closed position
- Blades made from 6150 alloy steel (Chrome Vanadium) heat treated
- Cuts Most ACSR up to 210mm<sup>2</sup> with ease and suitable for Galvanised Steel Support Wire 3/2.5mmØ (Catenary Wire)
- Suitable for RAISIN ACSR with 4 x 2.5mm Ø inner steel strands
- Suitable for stranded copper up to 185mm<sup>2</sup> (18mm Ø)



HEAT TREATED  
CHROME  
VANADIUM STEEL  
BLADES



FOR COPPER,  
ALUMINIUM,  
SOFT STEEL BAR,  
& ACSR

**SC-32A  
ACSR RATCHET CUTTER**

**FEATURES**

- Max blade opening dia. 32mm
- Cutting range:
  - Copper & aluminium rod 25mm dia.
  - Soft steel bar below SS41 10mm dia.
  - ACSR 30mm dia.
- Weight: 1.6kg

Description	Length (mm)
ACSR RATCHET CUTTER	420

**SC-30A  
ACSR RATCHET CUTTER**

**FEATURES**

- Heavy duty comfort grip handle
- Cutting range:
  - ACSR 30mm dia.
- Weight: 1.15kg

Description	Length (mm)
ACSR RATCHET CUTTER	240



HEAVY DUTY  
COMFORT GRIP  
HANDLE





SUSPENSION CLAMPS

TE's LV suspension clamps for ABC cable are available with a range of cable size capabilities. Some can accommodate 2 and 3 core cables as well as 4 core cables. Use for suspension of LVABC 25mm<sup>2</sup> to 150mm<sup>2</sup>.

- FEATURES**

  - Aluminium Alloy body with Stainless Steel hardware
  - UV resistant Elastomer bushing
  - Suitable for up to 30° line deviation
- For line deviation of 30° to 60° use with TNABC2XSUSBRKT
  - Stainless Steel wear ring to protect suspension eyelet
  - Tested to AS 3766-1990
  - Suitable for 2C & 4C 25mm<sup>2</sup> - 150mm<sup>2</sup>

STRAIN CLAMPS

TE's LV Termination clamps for ABC cable are available with a range of cable size capabilities. All clamps accommodate 2 core or 4 core cable making them the versatile choice. Use for the termination of LVABC 2 core\* x 25mm<sup>2</sup> to 4 core 150mm<sup>2</sup>.

- FEATURES**

  - Tested to AS3766
  - Removable clevis pin
  - Bolted full tension clamp for LVABC
  - Suitable for 2C to 4C 50mm<sup>2</sup> - 150mm<sup>2</sup>
- MATERIAL**

Wedges: Glass Filled Nylon

Hardware: Galvanised Steel

Straps: Aluminium or Galvanised Steel (depending on model)



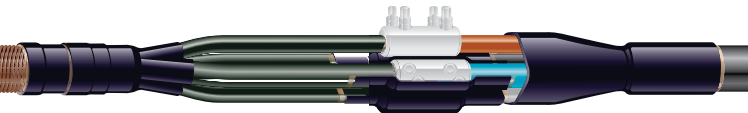
TE'S LJTM LV INLINE TRANSITION JOINT KITS

TE's Raychem LJTM range of LV transition joints up to 1kV combines the characteristics of the well-known, time tested and reliable Raychem heat shrink technology with the advantages of TE mechanical shear bolt connectors.

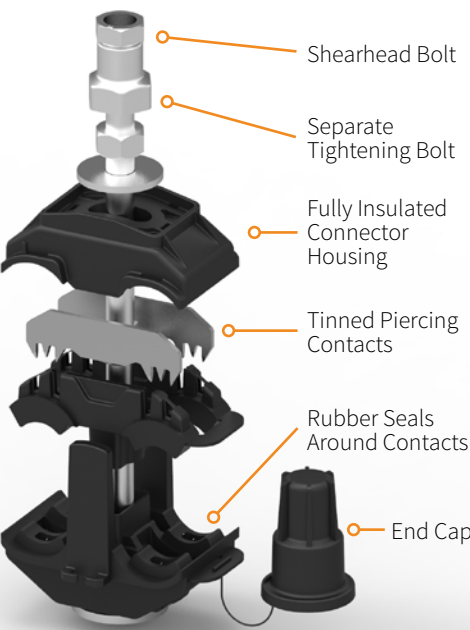
- FEATURES & BENEFITS**
- LV jointing system, with focus on range-taking up to 300mm<sup>2</sup>
  - Fixed application ranges, with clear allocation for selection of mechanical connectors
  - Use of TE's advanced Raychem WCSM insulation sleeves for unrestricted use of mechanical connectors
  - Designed to meet DIN 47640 standard
  - Wall thickness of insulation sleeves optimised to ensure mechanical and electrical strength over connectors
  - Shear-torque-controlled more reliable mechanical connectors
  - No shelf-life issues with main components
  - Easy and fast installation
  - Five kits available to cover cable range: 10–300mm<sup>2</sup>



Cat No.	Conductor Size (mm <sup>2</sup> )	
	Plastic Insulated Cable	Paper Insulated Cable, Lead Sheath
LJTM-4X10-50	10–50	10–50
LJTM-4X35-95	35–95	25–70
LJTM-4X35-150	35–150	35–120
LJTM-4X95-240	95–240	95–185
LJTM-4X185-300	185–300	185–300



INSULATION PIERCING TECHNOLOGY



IPC Technology, like other connector technologies, has a specific place where they shine above all others. IPCs use a number of small contact points at a high pressure to ensure an exceptionally good electrical connection.

Over the years, IPC technology has been developed and tested to ensure it can accommodate heat cycling, climatic ageing, electrical resistance, water resistance and dielectric resistance. TE's Simel IPCs found on networks throughout New Zealand and the world incorporate all these advancements as well as a range of added safety features.

All our connectors are designed and tested to fit the majority of cable types made in accordance with the European Standard HD 626, regardless if cables are insulated with XLPE, PE or PVC. These products are tested according to national specifications such as NFC, VDE, BS, ESI and where possible in accordance to CENELEC EN 50483-4.

- FEATURES**
- Designed for installation from –20°C up to +50°C
  - Operation experience with temperatures ranging from –60°C up to +60°C
  - No limitation of mechanical loads for main & branch conductors
  - Shear head forces are adapted to the required contact forces for each application (main, service, lightning)
  - Voltage withstand to 6kV in a 30cm waterbath
  - No change in contact resistance and temperature after overloads and load cycling
  - Voltage withstand to 6kV after heavy weathering exposure (UV-light, humidity and temperature cycling)
  - Corrosion resistance of metal parts proven in salt fog chamber and wet SO<sub>2</sub> gas chamber

**BEFORE INSTALLATION**

Connector easily positioned over cables, no loose parts can fall to ground. The correct position of the branch conductor can be felt inside the end cap.

**DURING INSTALLATION**

Contact blades pierce the insulation and reliably contact the conductors. The tightening screw is insulated from the contact blades thus providing maximum safety for the installer even during live line installations.

**AFTER SHEAR HEAD BREAKING**

The shear head ensures that conductors are not damaged by too strong forces. The long neck prevents the head from hasty shearing off by naturally applied cantilever loads on the tightening tool. The seals firmly conform to the insulation to prevent any moisture ingress.

**PRODUCT FEATURES:**

- Shearhead bolts ensure correct connection pressure everytime
- Range taking capabilities reduce the inventory requirements
- Connectors accept both Al and Cu cable (unless specified)
- Completely seals around contact points for watertight connection
- By not stripping the cable, contact teeth can make contact with cable before oxidation takes place
- All connectors come with contact grease

**SAFETY FEATURES:**

- Safe to install on live circuits (when manufacturers guidelines are adhered to)
- Tightening bolt separate to piercing contacts remains permanently de-energised
- Cable doesn't need to be stripped, protecting workers from exposed live cables
- Fully insulated housing for worker safety





# DON'T TAKE CHANCES WITH WORKER SAFETY

## KNIPEX CUTTING TOOLS

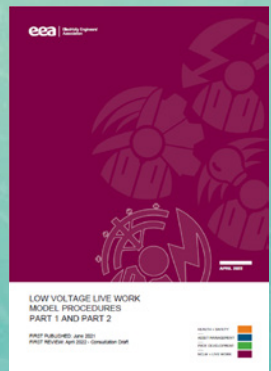
Our insulated tools not only meet statutory requirements, but also offer the greatest possible safety, reliability and performance. Every insulated tool undergoes, one by one, a dielectric strength at 10,000V AC by the manufacturer before we sell it. This means that work in the area up to 1,000V AC has a safety buffer of ten times the permitted maximum limit. Other procedures check the reliability of the insulation towards heat, cold, tensile and impact force.

### KP9852 Cable Knife

- FEATURES
- 1000V VDE dual component handles
  - Ergonomically designed handle with comfortable slip guard
  - Thumb recess and "finger hook" ensure a good transmission of force when the blade is pulled
  - Transparent protective cap
  - Special tool steel, oil-hardened blade
  - Solid, fixed straight blade



KP9852



"The required outcome is that **NO** second point of contact (Phase to Phase or Phase to Earth) can be made by the worker at the work position. All SPOC **SHALL** be covered."

- 'Low Voltage Live Work Model Procedures Part 1 and Part 2' guide, EEA

### KP2616200 Long Nose Pliers with Cutter

- FEATURES
- 1000V VDE dual component handles
  - Chrome plated head
  - Fine-scored jaws for pulling and twisting



KP2616200

### KP7406200 High Leverage Diagonal Cutting Pliers

- FEATURES
- Integrated forged axle for heavy duty cutting
  - Suitable for all types of wire including piano wire
  - High cutting performance with minimum effort
  - Precision cutting edges additionally induction-hardened
  - Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



KP7406200

### KP9516200 Twin Cut Cable Shear

- FEATURES
- 1000V VDE dual component handles
  - Chrome plated head
  - Precision ground blades for smooth cutting without crushing and deformation of cables



KP9516200

### KP0206200 High Leverage Combination Pliers

These pliers feature fine scored jaws, nut grip, extra long cutting edges and large bearing close to the cutting edge providing 35% less effort to cut. Powerful ergonomic handle design.

- FEATURES
- 1000V VDE dual component handles
  - Chrome plated head



KP0206200

## SUBSTATION & SWITCHBOARD KIT



Manufactured from PVC & EPDM, these insulating mats and covers can be easily affixed to the equipment by peg, magnet or cable tie. Eyelet blankets are flexible and feature a reinforced beaded edge for added strength. All available in one easy kit.

PVC and EPDM offer superb flexibility, allowing for ease of application in tight working environments.

All items are tested prior to delivery meaning they can go straight into service upon arrival.

Cat No.	Contents
16003	4 X SMALL MAGNETIC DRAPEs, 2 X LARGE MAGNETIC DRAPEs, 1 X GROUND MAT, 1 X VELCRO STRAP, 1 X BAG

## HIGH DIELECTRIC STRENGTH RUBBER GLOVES

Incorporating high dielectric and physical strength, flexibility and durability, these gloves have earned a reputation for superior performance – meeting and exceeding the requirements of current ASTM D120 specifications.

- FEATURES
- Pure latex gloves manufactured under ISO 9001 & ISO 14001
  - Certified to EN 60903
  - Meets & exceeds ASTM D120
  - Excellent strength & durability
  - Acid resistant
  - Ozone resistant
  - Low temperature resistant
  - Various cuff styles available
  - Manufactured without use of solvents & hazardous chemicals with a proprietary aqueous dipping process
  - Comprehensive range of classes, colours, lengths & sizes, including half sizes
  - Arc Flash certified
  - Fully tested before dispatch
- \*On all new glove purchases



VIEW THE RANGE





# KNOWLEDGE IS POWER

## AMPACT Refresher Training



### Auckland

78 Cryers Road  
East Tamaki  
Auckland  
NEW ZEALAND  
Ph 0800 442 182  
PO Box 39 383  
Howick, Auckland

### Wellington

10 Petone Ave  
Petone  
Wellington  
NEW ZEALAND  
Ph 04 576 2530  
PO Box 39 383  
Howick, Auckland  
NEW ZEALAND  
sales@transnet.co.nz

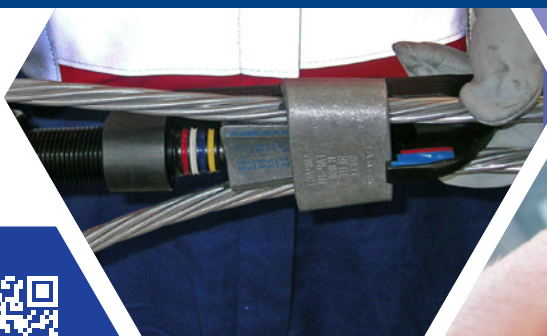
### TransNet Tonga

#### Nuku'alofa

Lakalakaimonu Multi Utility  
Complex  
Taufa'ahau Road  
Poutaha  
Nuku'alofa  
TONGA  
Ph +67 627 939  
PO Box 2932  
Nuku'alofa  
TONGA  
transnet@kalianet.to



HOW IT WORKS



*Keeping up with the latest product developments and installation techniques is an ongoing process. With this in mind, refresher training for products that are already in use is fundamental to maintain quality workmanship.*

TE Connectivity (TE)'s AMPACT range of connectors may have been used on your network for some time, but it's always a good idea to consider refresher trainings to keep your staff on top of the any new developments and to introduce new staff to the technology they'll be using. Our training covers topics such as tool maintenance and servicing and the correct use of TE's AMPACT tool to install and remove connectors from the network.

At TransNet we offer product refresher training and support for a wide range of the products we supply. We have technical support both locally and internationally from our suppliers that enables us to keep your team up to date

with all the latest technology around these products and the best practices associated with them.

If your team's after refresher training for TE's AMPACT range please contact your local TransNet rep or customer service on 0800 442 182. We can come to you or your team can come to us.



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